

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 54113511  
PUBLICATION DATE : 05-09-79

APPLICATION DATE : 23-02-78  
APPLICATION NUMBER : 53020318

APPLICANT : SEIKO EPSON CORP;

INVENTOR : SUKI NARIYOSHI;

INT.CL. : F04B 37/16

TITLE : VACUUM UNIT

ABSTRACT : PURPOSE: To shorten the time to obtain vacuum by providing a branch of a vacuum sub-container between a vacuum container and a vacuum pump.

CONSTITUTION: A vacuum sub-container 9 is connected between a vacuum container 6 and a vacuum pump 4 with a branch pipe 7 and a valve 8 between. This vacuum sub-container 9 is previously evacuated by the vacuum pump 4. For lowering the atmospheric pressure in the vacuum container 6 by the vacuum pump 4, if the pressure in the vacuum container 6 is lower than that in the vacuum sub-container 9, the valve 8 is opened to lower the pressure inside the vacuum container 6 rapidly, serving to shorten the time to obtain vacuum.

COPYRIGHT: (C)1979,JPO&Japio